

NNN NNN MMM MMM LLL
NNN NNN MMM MMM LLL
NNN NNN MMM MMM LLL
NNN NNN MMMMM MM MM LLL
NNN NNN MMMMM MM MM LLL
NNN NNN MMMMM MM MM LLL
NNNNNN NNN MMM MM MM LLL
NNNNNN NNN MMM MM MM LLL
NNNNNN NNN MMM MM MM LLL
NNN NNN NNN MMM MM LLL
NNN NNN NNN MMM MM LLL
NNN NNN NNN MMM MM LLL
NNN NNNNNN MMM MM LLL
NNN NNNNNN MMM MM LLL
NNN NNNNNN MMM MM LLL
NNN NNN MMM MM LLLL
NNN NNN MMM MM LLLL
NNN NNN MMM MM LLLL

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FILEID**NMLZERO

H 3

NML
V04

NN	NN	MM	MM	LL	ZZZZZZZZZZ	EEEEEEEEEE	RRRRRRRR	000000			
NN	NN	MM	MM	LL	ZZZZZZZZZZ	EEEEEEEEEE	RRRRRRRR	000000			
NN	NN	MMMM	MMMM	LL	ZZ	EE	RR	RR	00	00	
NN	NN	MMMM	MMMM	LL	ZZ	EE	RR	RR	00	00	
NNNN	NN	MM	MM	MM	LL	ZZ	EE	RR	RR	00	00
NNNN	NN	MM	MM	MM	LL	ZZ	EE	RR	RR	00	00
NN	NN	NN	MM	MM	LL	ZZ	EEEEEEEE	RRRRRRRR	00	00	
NN	NN	NN	MM	MM	LL	ZZ	EEEEEEEE	RRRRRRRR	00	00	
NN	NNNN	MM	MM	LL	ZZ	EE	RR	RR	00	00	
NN	NNNN	MM	MM	LL	ZZ	EE	RR	RR	00	00	
NN	NN	MM	MM	LL	ZZ	EE	RR	RR	00	00	
NN	NN	MM	MM	LL	ZZ	EE	RR	RR	00	00	
NN	NN	MM	MM	LLLLLLLLLL	ZZZZZZZZZZ	EEEEEEEEEE	RR	RR	000000	000000	
NN	NN	MM	MM	LLLLLLLLLL	ZZZZZZZZZZ	EEEEEEEEEE	RR	RR	000000	000000	

```
1 0001 0 XTITLE 'NML ZERO counters module'
2 0002 0 MODULE NMLSZERO (
3 0003 0   LANGUAGE (BLISS32),
4 0004 0   ADDRESSING_MODE (EXTERNAL=GENERAL),
5 0005 0   ADDRESSING_MODE (NONEXTERNAL=GENERAL),
6 0006 0   IDENT = 'V04-000'
7 0007 0   )
8 0008 1 BEGIN
9 0009 1 ****
10 0010 1 *
11 0011 1 *
12 0012 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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29 0029 1 *
30 0030 1 *
31 0031 1 ****
32 0032 1 *
33 0033 1 *
34 0034 1 ++
35 0035 1 FACILITY: DECnet-VAX Network Management Listener
36 0036 1
37 0037 1 ABSTRACT:
38 0038 1
39 0039 1 These routines return volatile data base information in response to
40 0040 1 an NCP ZERO command message.
41 0041 1
42 0042 1 ENVIRONMENT: VAX/VMS Operating System
43 0043 1
44 0044 1 AUTHOR: Kathy Perko
45 0045 1
46 0046 1 CREATION DATE: 30-Aug-1982
47 0047 1
48 0048 1 MODIFIED BY:
49 0049 1 V03-003 MKP0003 Kathy Perko 6-Jan-1983
50 0050 1 Add dummy table entry for X25 Access Module entity.
51 0051 1
52 0052 1 V03-002 MKP0002 Kathy Perko 24-June-1983
53 0053 1 Add dummy table entries for Service Adjacency entity and
54 0054 1 NI Configurator entity.
55 0055 1
56 0056 1 V03-001 MKP0001 Kathy Perko 9-Oct-1982
57 0057 1 Add Area entity, and null entries for adjacent node
```

NML\$ZERO
V04-000

NML ZERO counters module

J 3
16-Sep-1984 00:41:12
14-Sep-1984 12:50:23

VAX-11 Bliss-32 v4.0-742
DISK\$VMSMASTER:[NML.SRC]NMLZERO.B32;1 Page 2 (1)

: 58
: 59
: 60

0058 1 | entities (which are read only) to tables.
0059 1 |
0060 1 |--

NML
V04

```
62 0061 1 %SBTTL 'Declarations'
63 0062 1 !
64 0063 1 !
65 0064 1 ! TABLE OF CONTENTS:
66 0065 1 !
67 0066 1 !
68 0067 1 FORWARD ROUTINE
69 0068 1 NML$ZERO : NOVALUE,
70 0069 1 NML_CALL_ZERO : NOVALUE,
71 0070 1 NML_CALL_ZERO_NODE : NOVALUE,
72 0071 1 NML_ZEROPLURAL : NOVALUE,
73 0072 1 NML_ZERO_KNOWN : NOVALUE,
74 0073 1 NML_ZERORNONODES : NOVALUE,
75 0074 1 NML_ZERO_ENTITY : NOVALUE,
76 0075 1 NML_ZERO_NODE : NOVALUE,
77 0076 1 NML_ZEROREMOTES : NOVALUE:
78 0077 1 !
79 0078 1 !
80 0079 1 ! INCLUDE FILES:
81 0080 1 !
82 0081 1 !
83 0082 1 LIBRARY 'LIB$:NMLLIB.L32';
84 0083 1 LIBRARY 'SHRLIBS:NMALIBRY.L32';
85 0084 1 LIBRARY 'SYSSLIBRARY:STARLET.L32';
86 0085 1 !
87 0086 1 !
88 0087 1 ! OWN STORAGE:
89 0088 1 !
90 0089 1 !
91 0090 1 OWN
92 0091 1 NML$T_P2BUFFER : VECTOR [NML$K_P2BUFLEN];
93 0092 1 BIND
94 0093 1 NML$Q_P2bfdsc = UPLIT (NML$K_P2BUFLEN, NML$T_P2BUFFER) : DESCRIPTOR;
95 0094 1 !
96 0095 1 OWN
97 0096 1 NML$T_ENTBUFFER : VECTOR [32],
98 0097 1 NML$Q_ENTbfdsc : DESCRIPTOR
99 0098 1 INITIAL (0, NML$T_ENTBUFFER);
100 0099 1 !
101 0100 1 !
102 0101 1 ! EXTERNAL REFERENCES:
103 0102 1 !
104 0103 1 !
105 0104 1 $NML_EXTDEF;
106 0105 1 !
107 0106 1 EXTERNAL ROUTINE
108 0107 1 LIB$ESTABLISH : ADDRESSING_MODE (GENERAL),
109 0108 1 LIB$REVERT : ADDRESSING_MODE (GENERAL),
110 0109 1 NML$BLD_REPLY,
111 0110 1 NML$BLDP2,
112 0111 1 NML$ERROR_1,
113 0112 1 NML$ERROR_2,
114 0113 1 NML$GETEXEID,
115 0114 1 NML$GETINFTABS,
116 0115 1 NML$GET_ENTITY_IDS,
117 0116 1 NML$MAINHANDLER,
118 0117 1 NML$NETOID,
```

NML\$ZERO
V04-000

NML ZERO counters module
Declarations

: 119 0118 1 NML\$SEND;
: 120 0119 1

l 3
16-Sep-1984 00:41:12
14-Sep-1984 12:50:23

VAX-11 Bliss-32 v4.0-742
DISK\$VMSMASTER:[NML.SRC]NMLZERO.B32;1 Page 4
(2)

NML
V04

```
122 0120 1 !  
123 0121 1 ! Macro to build dispatch table for an entity.  
124 0122 1 !  
125 0123 1 MACRO $TAB (TAB,  
126 0124 1 DISPATCH_RTN,  
127 M 0125 1 ZERO_RTN, ZERO_KNO_RTN) =  
128 M 0126 1  
129 M 0127 1 OWN TAB : BBLOCK [%LENGTH * 4] INITIAL (  
130 M 0128 1 $PIC (DISPATCH_RTN, TAB),  
131 M 0129 1 $PIC (ZERO_RTN, TAB),  
132 M 0130 1 $PIC (ZERO_KNO_RTN, TAB))  
133 0131 1 %,  
134 0132 1  
135 M 0133 1 $PIC (ADDR, TAB) =  
136 M 0134 1 %IF %IDENTICAL (ADDR, 0)  
137 M 0135 1 %THEN LONG (0)  
138 M 0136 1 %ELSE LONG (%NAME (ADDR) - %NAME (TAB))  
139 M 0137 1 %FI  
140 0138 1 %;  
141 0139 1  
142 0140 1  
143 0141 1 !  
144 0142 1 ! Dispatch tables. There is one table for each internal NML entity (NML  
145 0143 1 internal entities are broken down more than NICE entities). The table  
146 0144 1 specifies the following information about the entity:  
147 0145 1 The address of the dispatch routine in this module for the entity.  
148 0146 1 The dispatch routines vary depending on the different  
149 0147 1 formats the entities can have.  
150 0148 1 The addresses of the routines which perform the requested change:  
151 0149 1 - Zero single entity  
152 0150 1 - Zero known entities  
153 0151 1  
154 P 0152 1 $TAB (LINE TAB, ! NML$C_LINE  
155 P 0153 1 NML_CALL_ZERO,  
156 0154 1 NML_ZERO_ENTITY, NML_ZERO_KNOWN);  
157 0155 1  
158 0156 1 BIND LOGGING_TAB = UPLIT (0);  
159 0157 1  
160 0158 1 BIND SINK_TAB = UPLIT (0);  
161 0159 1  
162 P 0160 1 $TAB (NODE TAB, ! NML$C_NODE  
163 P 0161 1 NML_CALL_ZERO_NODE,  
164 0162 1 NML_ZERO_NODE, NML_ZERO_KNONODES);  
165 0163 1  
166 P 0164 1 $TAB (NODEBYNAME TAB, ! NML$C_NODEBYNAME  
167 P 0165 1 NML_CALL_ZERO_NODE,  
168 0166 1 NML_ZERO_NODE, NML_ZERO_KNONODES);  
169 0167 1  
170 0168 1 BIND LOOPNODE_TAB = UPLIT (0);  
171 0169 1  
172 0170 1 BIND ADJACENT_NODE_TAB = UPLIT (0);  
173 0171 1  
174 P 0172 1 $TAB (EXECUTOR TAB, ! NML$C_EXECUTOR  
175 P 0173 1 NML_CALL_ZERO_NODE,  
176 0174 1 NML_ZERO_NODE, NML_ZERO_KNONODES);  
177 0175 1  
178 0176 1 BIND OBJECT_TAB = UPLIT (0);
```

```
179 0177 1
180 P 0178 1 $TAB (CIRCUIT_TAB,
181 1      NML_CALL_ZERO,
182 1      NML_ZERO_ENTITY,    NML_ZERO_KNOWN);
183 1
184 0182 1 BIND CIRCUIT_ADJACENT_TAB = UPLIT (0);
185 0183 1
186 0184 1 BIND CIRCUIT_ADJ_SRV_TAB = UPLIT (0);
187 0185 1
188 0186 1 BIND AREA_TAB = UPLIT (0);
189 0187 1
190 0188 1 BIND X25_ACCESS_TAB = UPLIT (0);
191 0189 1
192 0190 1 BIND PROT_NET_TAB = UPLIT (0);
193 0191 1
194 P 0192 1 $TAB (PROT_DTE_TAB,
195 1      NML_CALL_ZERO,
196 1      NML_ZERO_ENTITY,    NML_ZERO_KNOWN);
197 0193 1
198 0194 1 BIND PROT_GRP_TAB = UPLIT (0);
199 0195 1
200 P 0196 1 $TAB (X25_SERV_TAB,
201 1      NML_CALL_ZERO,
202 1      NML_ZERO_ENTITY,    0);
203 0197 1
204 0200 1 BIND X25_SERV_DEST_TAB = UPLIT (0);
205 0201 1
206 0202 1 BIND TRACE_TAB = UPLIT (0);
207 0203 1
208 0204 1 BIND TRACEPNT_TAB = UPLIT (0);
209 0205 1
210 P 0206 1 $TAB (X29_SERV_TAB,
211 1      NML_CALL_ZERO,
212 1      NML_ZERO_ENTITY,    0);
213 0207 1
214 0208 1 BIND X29_SERV_DEST_TAB = UPLIT (0);
215 0209 1
216 0210 1 BIND NI_CONFIG_TAB = UPLIT (0);
217 0211 1
218 0212 1 BIND LINK_TAB = UPLIT (0);
219 0213 1
220 0214 1
221 0215 1
222 0216 1
223 0217 1
224 0218 1
225 0219 1
226 0220 1 ! Table table. Contains pointers to Dispatch tables for NML entities.
227 0221 1 ! Indexed by NML$C_entity definitions.
228 0222 1
229 0223 1 OWN TABLE_TAB : VECTOR [NML$C_MAXENTITY] INITIAL (
230 0224 1      $PIC (LINE_TAB, TABLE_TAB),
231 0225 1      $PIC (LOGGING_TAB, TABLE_TAB),
232 0226 1      $PIC (SINK_TAB, TABLE_TAB),
233 0227 1      $PIC (NODE_TAB, TABLE_TAB),
234 0228 1      $PIC (NODEBYNAME_TAB, TABLE_TAB),
235 0229 1      $PIC (LOOPNODE_TAB, TABLE_TAB),
236 0230 1      $PIC (ADJACENT_NODE_TAB, TABLE_TAB),
237 0231 1      $PIC (EXECUTOR_TAB, TABLE_TAB),
238 0232 1      $PIC (OBJECT_TAB, TABLE_TAB),
239 0233 1      $PIC (CIRCUIT_TAB, TABLE_TAB),
```

: R
:
:

```
236 0234 1 SPIC (CIRCUIT-ADJACENT TAB, TABLE_TAB),  
237 0235 1 SPIC (CIRCUIT-ADJ-SRV TAB, TABLE_TAB),  
238 0236 1 SPIC (AREA TAB, TABLE_TAB),  
239 0237 1 SPIC (X25 ACCESS TAB, TABLE_TAB),  
240 0238 1 SPIC (PROT-NET TAB, TABLE_TAB),  
241 0239 1 SPIC (PROT-DTE TAB, TABLE_TAB),  
242 0240 1 SPIC (PROT-GRP TAB, TABLE_TAB),  
243 0241 1 SPIC (X25-SERV TAB, TABLE_TAB),  
244 0242 1 SPIC (X25-SERV-DEST TAB, TABLE_TAB),  
245 0243 1 SPIC (TRACE TAB, TABLE_TAB),  
246 0244 1 SPIC (TRACEPNT TAB, TABLE_TAB),  
247 0245 1 SPIC (X29-SERV TAB, TABLE_TAB),  
248 0246 1 SPIC (X29-SERV-DEST TAB, TABLE_TAB),  
249 0247 1 SPIC (NI CONFIG TAB, TABLE_TAB),  
250 0248 1 SPIC (LINK_TAB, TABLE_TAB);
```

```
0249 1 %SBTTL 'NML$ZERO Zero counters main routine'  
0250 1 GLOBAL ROUTINE NML$ZERO : NOVALUE =  
0251 1  
0252 1 |++  
0253 1 | FUNCTIONAL DESCRIPTION:  
0254 1 |  
0255 1 | This routine dispatches the zero function to the proper routine  
0256 1 | according to the entity type.  
0257 1 |  
0258 1 | IMPLICIT INPUTS:  
0259 1 |  
0260 1 | NML$GB_OPTIONS contains the option byte parsed from the NICE message.  
0261 1 | NML$GB_ENTITY_CODE contains the entity code.  
0262 1 |  
0263 1 |--  
0264 2 BEGIN  
0265 2  
0266 2 MAP  
0267 2 | NML$GB_ENTITY_FORMAT : BYTE SIGNED.  
0268 2 | NML$GB_OPTIONS : BBLOCK [1];  
0269 2  
0270 2 LOCAL  
0271 2 | ZERO_TABLE : REF BBLOCK, | Dispatch table reference  
0272 2 | RTN_ADDR, | Temporary routine address  
0273 2 | PARSE_TAB, | Address of NICE message parsing  
0274 2 | | table.  
0275 2 | ZERO_RTN: | Address of routine to perform  
0276 2 | | zero requested by NICE  
0277 2 | | message.  
0278 2  
0279 2  
0280 2  
0281 2  
0282 2  
0283 2  
0284 2 |  
0285 2 | Get address of entity's dispatch table. The addresses are stored as offsets  
0286 2 | to make NML$HR PIC. Change the offset into a useable address.  
0287 2 |  
0288 2 | ZERO_TABLE = .TABLE_TAB [.NML$GL_NML_ENTITY] + TABLE_TAB;  
0289 2 | IF .ZERO_TABLE NEQA 0 THEN  
0290 2 | BEGIN  
0291 2 | | RTN_ADDR = .ZERO_TABLE [ZER$L_DISPATCH] + .ZERO_TABLE;  
0292 2 | |  
0293 2 | | Go to dispatch table for the entity specified in the NICE message.  
0294 2 | | Get the address of the routine which performs the type of change  
0295 2 | | requested.  
0296 2 |  
0297 2 | IF .RTN_ADDR NEQA .ZERO_TABLE THEN  
0298 2 | BEGIN  
0299 2 | | Each function's portion of the entity's dispatch table contains  
0300 2 | | the addresses of two zero routines. These routines do the  
0301 2 | | following:  
0302 2 | | | - Zero a single entity  
0303 2 | | | - Zero known entities  
0304 2 | |  
0305 2 | | IF .NML$GB_ENTITY_FORMAT EQI NMASC_ENT_KNO THEN  
0306 2 | | | ZERO_RTN = .ZERO_TABLE [ZER$L_KNOWN]  
0307 2 | | ELSE  
0308 2 | |
```

```

: 309 0306 4      ZERO_RTN = .ZERO_TABLE [ZERSL_ENTITY];
: 310 0307 4
: 311 0308 4      | The routine addresses are stored as offsets (to make NMLSHR PIC).
: 312 0309 4      | Make the offset into a callable routine address.
: 313 0310 4
: 314 0311 4      IF .ZERO_RTN NEQ 0 THEN
: 315 0312 5      BEGIN
: 316 0313 5      ZERO_RTN = .ZERO_RTN + .ZERO_TABLE;
: 317 0314 5
: 318 0315 5      | Call change routine.
: 319 0316 5
: 320 0317 5      (.RTN_ADDR) (.NML$GL NML_ENTITY,
: 321 0318 5          .ZERO_RTN);
: 322 0319 5
: 323 0320 4      END
: 324 0321 4      ELSE NML$ERROR_1 (NMASC_STS_FUN);
: 325 0322 4
: 326 0323 3      END
: 327 0324 3      ELSE NML$ERROR_1 (NMASC_STS_FUN);
: 328 0325 3
: 329 0326 2      END
: 330 0327 2      ELSE NML$ERROR_1 (NMASC_STS_FUN);
: 331 0328 1      END: ! End of NML$ZERO

```

```

.TITLE NML$ZERO NML ZERO counters module
.IDENT \V04-000\

```

```

.PSECT SPLITS,NOWRT,NOEXE,2

```

00000068	00000 P.AAA:	.LONG 104
00000000	00004 P.AAB:	.ADDRESS NML\$T_P2BUFFER
00000000	00008 P.AAC:	.LONG 0
00000000	0000C P.AAD:	.LONG 0
00000000	00010 P.AAE:	.LONG 0
00000000	00014 P.AAF:	.LONG 0
00000000	00018 P.AAF:	.LONG 0
00000000	0001C P.AAG:	.LONG 0
00000000	00020 P.AAH:	.LONG 0
00000000	0C024 P.AAI:	.LONG 0
00000000	00028 P.AAJ:	.LONG 0
00000000	0002C P.AAK:	.LONG 0
00000000	00030 P.AAL:	.LONG 0
00000000	00034 P.AAM:	.LONG 0
00000000	00038 P.AAN:	.LONG 0
00000000	0003C P.AAO:	.LONG 0
00000000	00040 P.AAP:	.LONG 0
00000000	00044 P.AAQ:	.LONG 0
00000000	00048 P.AAR:	.LONG 0

```

.PSECT SOWNS,NOEXE,2

```

00000 NML\$T_P2BUFFER:	.BLKB 416
001A0 NML\$T_ENTBUFFER:	.BLKB 128
00000000 00220 NML\$Q_ENTBFDS:	

```

00000000' 00224 .LONG 0
00000000V 00228 LINE_TAB: .ADDRESS NML$T_ENTBUFFER
00000000V 0022C .LONG <NML_CALL_ZERO-LINE_TAB>
00000000V 00230 .LONG <NML_ZERO_ENTITY-LINE_TAB>
00000000V 00234 .LONG <NML_ZERO_KNOWN-LINE_TAB>
00000000V 00238 NODE_TAB: .BLKB 4
00000000V 0023C .LONG <NML_CALL_ZERO_NODE-NODE_TAB>
00000000V 00240 .LONG <NML_ZERO_NODE-NODE_TAB>
00000000V 00244 .LONG <NML_ZERO_NODENODES-NODE_TAB>
00000000V 00248 NODEBYNAME_TAB: .BLKB 4
00000000V 0024C .LONG <NML_CALL_ZERO_NODE-NODEBYNAME_TAB>
00000000V 00250 .LONG <NML_ZERO_NODE-NODEBYNAME_TAB>
00000000V 00254 .LONG <NML_ZERO_NODENODES-NODEBYNAME_TAB>
00000000V 00258 EXECUTOR_TAB: .BLKB 4
00000000V 0025C .LONG <NML_CALL_ZERO_NODE-EXECUTOR_TAB>
00000000V 00260 .LONG <NML_ZERO_NODE-EXECUTOR_TAB>
00000000V 00264 .LONG <NML_ZERO_NODENODES-EXECUTOR_TAB>
00000000V 00268 CIRCUIT_TAB: .BLKB 4
00000000V 0026C .LONG <NML_CALL_ZERO-CIRCUIT_TAB>
00000000V 00270 .LONG <NML_ZERO_ENTITY-CIRCUIT_TAB>
00000000V 00274 .LONG <NML_ZERO_KNOWN-CIRCUIT_TAB>
00000000V 00278 PROT_DTE_TAB: .BLKB 4
00000000V 0027C .LONG <NML_CALL_ZERO-PROT_DTE_TAB>
00000000V 00280 .LONG <NML_ZERO_ENTITY-PROT_DTE_TAB>
00000000V 00284 .LONG <NML_ZERO_KNOWN-PROT_DTE_TAB>
00000000V 00288 X25_SERV_TAB: .BLKB 4
00000000V 0028C .LONG <NML_CALL_ZERO-X25_SERV_TAB>
00000000 00290 .LONG <NML_ZERO_ENTITY-X25_SERV_TAB>
00000000 00294 .LONG 0
00000000V 00298 X29_SERV_TAB: .BLKB 4
00000000V 0029C .LONG <NML_CALL_ZERO-X29_SERV_TAB>
00000000 002A0 .LONG <NML_ZERO_ENTITY-X29_SERV_TAB>
00000000 002A4 .LONG 0
00000000* 002A8 TABLE_TAB: .BLKB 4
00000000* 002AC .LONG <LINE_TAB-TABLE_TAB>
00000000* 002B0 .LONG <LOGGING_TAB-TABLE_TAB>
00000000* 002B4 .LONG <SINK_TAB-TABLE_TAB>
00000000* 002B8 .LONG <NODE_TAB-TABLE_TAB>
00000000* 002BC .LONG <NODEBYNAME_TAB-TABLE_TAB>
00000000* 002C0 .LONG <LOOPNODE_TAB-TABLE_TAB>
00000000* 002C4 .LONG <ADJACENT_NODE_TAB-TABLE_TAB>
00000000* 002C8 .LONG <EXECUTOR_TAB-TABLE_TAB>
00000000* 002CC .LONG <OBJECT_TAB-TABLE_TAB>
00000000* 002D0 .LONG <CIRCUIT_TAB-TABLE_TAB>
00000000* 002D4 .LONG <CIRCUIT_ADJ_SRV_TAB-TABLE_TAB>
00000000* 002D8 .LONG <AREA_TAB-TABLE_TAB>
00000000* 002DC .LONG <X25_ACCESS_TAB-TABLE_TAB>

```

```

00000000* 002E0      .LONG  <PROT_NET_TAB-TABLE_TAB>
00000000* 002E4      .LONG  <PROT_DTE_TAB-TABLE_TAB>
00000000* 002E8      .LONG  <PROT_GRP_TAB-TABLE_TAB>
00000000* 002EC      .LONG  <X25_SERV_TAB-TABLE_TAB>
00000000* 002F0      .LONG  <X25_SERV_DEST_TAB-TABLE_TAB>
00000000* 002F4      .LONG  <TRACE_TAB-TABLE_TAB>
00000000* 002F8      .LONG  <TRACEPNT_TAB-TABLE_TAB>
00000000* 002FC      .LONG  <X29_SERV_TAB-TABLE_TAB>
00000000* 00300      .LONG  <X29_SERV_DEST_TAB-TABLE_TAB>
00000000* 00304      .LONG  <NI_CONFIG_TAB-TABLE_TAB>
00000000* 00308      .LONG  <LINK_TAB-TABLE_TAB>
0030C      .BLKB  4

NML$Q_P2BFDSC=      P.AAA
LOGGING_TAB=        P.AAB
SINK_TAB=          P.AAC
LOOPNODE_TAB=       P.AAD
ADJACENT_NODE_TAB= P.AAE
OBJECT_TAB=         P.AAF
CIRCUIT_ADJACENT_TAB= P.AAG
CIRCUIT_ADJ_SRV_TAB= P.AAH
AREA_TAB=          P.AAI
X25_ACCESS_TAB=    P.AAJ
PROT_NET_TAB=       P.AAK
PROT_GRP_TAB=       P.AAL
X25_SERV_DEST_TAB= P.AAM
TRACE_TAB=          P.AAN
TRACEPNT_TAB=       P.AAO
X29_SERV_DEST_TAB= P.AAP
NI_CONFIG_TAB=      P.AAQ
LINK_TAB=          P.AAR

.EXTRN NML$GB_EVTSRCTYP
.EXTRN NML$GQ_EVTSRCDS
.EXTRN NML$GW_EVTCLASS
.EXTRN NML$GB_EVTMSKTYP
.EXTRN NML$GQ_EVTMSKDSC
.EXTRN NML$GW_EVTSNKADR
.EXTRN NML$GW_ACP_CHAN
.EXTRN NML$GL_LOGMASK, NML$GQ_ENTSTRDSC
.EXTRN NML$AB_QIOBUFFER
.EXTRN NML$GQ_QIOBFDSC
.EXTRN NML$AB_EXEBUFFER
.EXTRN NML$GL_EXEDATPTR
.FXTRN NML$GQ_EXEDATDSC
.EXTRN NML$GQ_EXEBFDSC
.EXTRN NML$AB_RCVBUFFER
.EXTRN NML$GQ_RCVBFDSC
.EXTRN NML$AB_SNDBUFFER
.EXTRN NML$GQ_SNDBFDSC
.EXTRN NML$GL_RCVDATLEN
.EXTRN NML$AB_CPTABLE, NML$AB_MSGBLOCK
.EXTRN NML$AB_ENTITY_ID
.EXTRN NML$AB_QUALIFIER_ID
.EXTRN NML$AB_ENTITYDATA
.EXTRN NML$AB_NML_NMV, NML$AB_PRMSEM
.EXTRN NML$AB_RECBUF, NML$AL_ENTINFTAB

```

```

        .EXTRN NML$AL_PERMINFTAB
        .EXTRN NML$AW_PRM DES, NML$GB_CMD_VER
        .EXTRN NML$GB_ENTITY_CODE
        .EXTRN NML$GB_ENTITY_FORMAT
        .EXTRN NML$GL_QUALIFIER_PST
        .EXTRN NML$GB_QUALIFIER_FORMAT
        .EXTRN NML$GB_FUNCTION
        .EXTRN NML$GB_INFO, NML$GB_OPTIONS
        .EXTRN NML$GL_PRMCODE, NML$GL_PRS_FLGS
        .EXTRN NML$GL_NML_ENTITY
        .EXTRN NML$GQ_NETNAMDSC
        .EXTRN NML$GQ_RECBFDS
        .EXTRN NML$GW_PRMDESCNT
        .EXTRN LIB$ESTABLISH, LIB$REVERT
        .EXTRN NML$BLD_REPLY, NML$BLDP2
        .EXTRN NML$ERROR 1, NML$ERROR 2
        .EXTRN NML$GETEXEID, NML$GETINFTABS
        .EXTRN NML$GET_ENTITY_IDS
        .EXTRN NML$MAINHANDLER
        .EXTRN NML$NETQIO, NML$SEND

        .PSECT SCODE$, NOWRT, 2

        .ENTRY NML$ZERO, Save R2,R3,R4 : 0250
        MOVAB TABLE TAB, R4
        MOVL NML$G[ NML_ENTITY, R2 : 0285
        MOVAB TABLE TAB[R0], R0, ZERO_TABLE
        ADDL3 TABLE_TABLE[R2], R0, ZERO_TABLE
        BEQL 3$ : 0286
        ADDL3 ZERO_TABLE, (ZERO_TABLE), RTN_ADDR : 0288
        CMPL RTN_ADDR, ZERO_TABLE : 0294
        BEQL 3$ : 0286
        CMPB NML$GB_ENTITY_FORMAT, #-1 : 0303
        BNEQ 1$ : 0304
        MOVL 8(ZERO_TABLE), ZERO_RTN : 0304
        BRB 2$ : 0306
        MOVL 4(ZERO_TABLE), ZERO_RTN : 0311
        BEQL 3$ : 0311
        ADDL2 ZERO_TABLE, ZERO_RTN : 0313
        PUSHL ZERO_RTN : 0318
        PUSHL R2 : 0317
        CALLS #2, (RTN_ADDR) : 0311
        RET : 0327
        MNEGL #1, -(SP) : 0327
        CALLS #1, NML$ERROR_1 : 0328
        RET : 0328

: R

```

; Routine Size: 79 bytes, Routine Base: SCODE\$ + 0000

```

333 0329 1 XSBTTL 'NML_CALL_ZERO Zero volatile entity parameters'
334 0330 1 ROUTINE NML_CALL_ZERO (ENTITY, ZERO_RTN): NOVALUE =
335 0331 1
336 0332 1 !++
337 0333 1 !FUNCTIONAL DESCRIPTION:
338 0334 1
339 0335 1 This routine dispatches to a routine to zero the specified
340 0336 1 set of circuit counters based on the entity id format.
341 0337 1
342 0338 1 !FORMAL INPUTS:
343 0339 1 ENTITY Internal NML entity code of entity to zero.
344 0340 1 ZERO_RTN Address of routine to perform zero requested
345 0341 1 by NICE message.
346 0342 1
347 0343 1 !IMPLICIT INPUTS:
348 0344 1
349 0345 1 NML$GB_ENTITY_FORMAT contains the entity format code.
350 0346 1
351 0347 1 !--
352 0348 1
353 0349 2 BEGIN
354 0350 2
355 0351 2 MAP
356 0352 2 NML$GB_ENTITY_FORMAT : BYTE SIGNED;
357 0353 2
358 0354 2 SELECTONEU .NML$GB_ENTITY_FORMAT OF
359 0355 2 SET
360 0356 2 [NMASC_ENT_KNO]: ! Known
361 0357 2 NML_ZEROPLURAL (.ENTITY, ! Entity code
362 0358 2 .ZERO_RTN, ! Zero routine
363 0359 2 0: ! Not used
364 0360 2 0: ! Not used
365 0361 2
366 0362 2 [1 TO 16]: ! Entity name
367 0363 2 NML_ZEROPLURAL (.ENTITY, ! Entity code
368 0364 2 .ZERO_RTN, ! Zero routine
369 0365 2 .NML$GB_ENTITY_FORMAT,! Id string length
370 0366 2 NML$AB_ENTITY_ID); ! Id string address
371 0367 2
372 0368 2 [OTHERWISE]:
373 0369 2 NML$ERROR_2 (NMASC_STS_IDE, .NML$GB_ENTITY_CODE); ! Option error
374 0370 2 TES:
375 0371 2
376 0372 1 END; ! End of NML_CALL_ZERO

```

		0000 00000 NML_CALL_ZERO:			
FF	50 0000000G	00 98 0002	.WORD	Save nothing	0330
	8F	50 91 0009	CVTBL	NML\$GB_ENTITY_FORMAT, R0	0354
		04 12 000D	CMPB	R0, #T	0356
		7E 7C 000F	BNEQ	1\$	0357
		11 11 00011	CLRQ	-(SP)	0358
		50 D5 00013 1\$:	BRB	2\$	0362
			TSTL	R0	

		19	13	00015	BEQL	3\$	
		50	91	00017	CMPB	R0, #16	
		14	1A	0001A	BGTRU	3\$	
	00000000G	00	9F	0001C	PUSHAB	NML\$AB_ENTITY_ID	0363
		50	DD	00022	PUSHL	R0	0365
00000000V	7E	04	AC	7D 00024 2\$:	MOVQ	ENTITY, -(SP)	0363
	00	04	FB	00028	CALLS	#4, NML_ZEROPLURAL	
		04	0002F		RET		
	7E 00000000G	00	9A	00030 3\$:	MOVZBL	NML\$GB_ENTITY_CODE, -(SP)	0369
00000000G	7E	09	CE	00037	MNEGL	#9, -(SP)	
	00	02	FB	0003A	CALLS	#2, NML\$ERROR_2	
		04	00041		RET		0372

; Routine Size: 66 bytes. Routine Base: \$CODE\$ + 004F

378 0373 1 %SBTTL 'NML_CALL_ZERO_NODE Zero node counters'
379 0374 1 ROUTINE NML_CALL_ZERO_NODE (ENTITY, ZERO_RTN) : NOVALUE =
380 0375 1
381 0376 1 !++
382 0377 1 FUNCTIONAL DESCRIPTION:
383 0378 1
384 0379 1 This routine dispatches to a routine to zero the specified set
385 0380 1 of node counters based on the entity id format.
386 0381 1
387 0382 1 FORMAL INPUTS:
388 0383 1 ENTITY Internal NML entity code of entity to zero.
389 0384 1 ZERO_RTN Address of routine to perform zero requested
390 0385 1 by NICE message.
391 0386 1
392 0387 1 IMPLICIT INPUTS:
393 0388 1
394 0389 1 NML\$GB_ENTITY_FORMAT contains the entity format code.
395 0390 1
396 0391 1 --
397 0392 1
398 0393 2 BEGIN
399 0394 2
400 0395 2 MAP
401 0396 2 NML\$GB_ENTITY_FORMAT : BYTE SIGNED;
402 0397 2
403 0398 2 LOCAL
404 0399 2 EXEC_ADR;
405 0400 2
406 0401 2 EXEC_ADR = 0; ! Set exec address in case entity is NML\$C_EXECUTOR.
407 0402 2 SELECTONEU .NML\$GB_ENTITY_FORMAT OF
408 0403 2 SET
409 0404 2 [NMASC_ENT_KNO]: ! Known
410 0405 2 NML_ZEROPLURAL (.ENTITY, ! Known
411 0406 2 NML_ZERO_KNONODES, ! No entity
412 0407 2 0, ! Routine name
413 0408 2 0); ! Not used
414 0409 2 ! Not used
415 0410 2 [NMASC_ENT_ADD]: ! Node address
416 0411 2 BEGIN
417 0412 3 IF .ENTITY EQN NML\$C_EXECUTOR THEN
418 0413 3 NML_ZEROPLURAL (NML\$C_EXECUTOR, ! entity = executor node
419 0414 3 NML_ZERO_NODE, ! Routine name
420 0415 3 2, ! Id string length
421 0416 3 EXEC_ADR) ! Executor node address
422 0417 3 ELSE
423 0418 3 NML_ZEROPLURAL (NML\$C_NODE, ! Entity code
424 0419 3 NML_ZERO_NODE, ! Routine address
425 0420 3 2, ! Id string length
426 0421 3 NML\$AB_ENTITY_ID); ! Id (node address) address
427 0422 2 END;
428 0423 2
429 0424 2 [1 TO 6]: ! Node name
430 0425 2 IF .NML\$GL_NML_ENTITY EQN NML\$C_EXECUTOR THEN
431 0426 2 NML_ZEROPLURAL (NML\$C_EXECUTOR, ! No entity
432 0427 2 NML_ZERO_NODE, ! Routine address
433 0428 2 2, ! Id string length
434 0429 2 EXEC_ADR) ! Executor node address

```

: 435 0430 2      ELSE
: 436 0431 2      NML_ZEROPLURAL (NML$C_NODEBYNAME, ! Entity code
: 437 0432 2      NML_ZERO_NODE, ! Routine address
: 438 0433 2      .NML$GB ENTITY_FORMAT, ! Id (node name) length
: 439 0434 2      NML$AB_ENTITY_ID); ! Id address
: 440
: 441 0435 2      [OTHERWISE]:
: 442 0436 2      NML$ERROR_2 (NMASC_STS_IDE, NMASC_ENT_NOD); ! Option error
: 443 0437 2      TES;
: 444 0438 2
: 445 0439 2      ! End of NML_CALL_ZERO_NODE

```

001C 00000 NML_CALL_ZERO_NODE:						
					0374	
	54 00000000G	00 9E 0002	WORD	Save R2,R3,R4		
	53 00000000V	00 9E 0009	MOVAB	NML\$AB_ENTITY_ID, R4		
		7E D4 00010	MOVAB	NML_ZERO_NODE, R5		
FF	52 00000000G	00 98 00012	CLRL	EXEC ADR	0401	
	8F	52 91 00019	CVTBL	NML\$GB_ENTITY_FORMAT, R2	0402	
		0D 12 0001D	CMPB	R2, #T	0404	
		7E 7C 0001F	BNEQ	1\$		
	00000000V	00 9F 00021	CLRQ	-(SP)		
	04	AC DD 00027	PUSHAB	NML_ZEROKNONODES		
		32 11 0002A	PUSHL	ENTITY		
		52 D5 0002C	BRB	5\$		
07	04	1\$:	TSTL	R2	0410	
		1A 12 0002E	BNEQ	4\$		
		AC D1 00030	CMPL	ENTITY, #7	0412	
		0A 12 00034	BNEQ	3\$		
		5E DD 00036	2\$:	PUSHL	SP	0413
		02 DD 00038	PUSHL	#2		
		53 DD 0003A	PUSHL	R3		
		07 DD 0003C	PUSHL	#7		
		1E 11 0003E	BRB	5\$		
		54 DD 00040	3\$:	PUSHL	R4	0418
		02 DD 00042	PUSHL	#2		
		53 DD 00044	PUSHL	R3		
		03 DD 00046	PUSHL	#3		
		14 11 00048	BRB	5\$		
	06	52 91 0004A	4\$:	CMPB	R2, #6	0424
		17 1A 0004D	BGTRU	6\$		
	07 00000000G	00 D1 0004F	CMPL	NML\$GL_NML_ENTITY, #7	0425	
		DE 13 00056	BEQL	2\$		
		14 BB 00058	PUSHR	#^M<R2,R4>	0433	
		53 DD 0005A	PUSHL	R3	0431	
		04 DD 0005C	PUSHL	#4		
	00000000V	00 04 FB 0005E	5\$:	CALLS	#4, NML_ZEROPLURAL	
		04 00065	RET		0425	
		7E D4 00066	6\$:	CLRL	-(SP)	0437
	00000000G	00 09 CE 00068	MNEG	#9, -(SP)		
		02 FB 0006B	CALLS	#2, NML\$ERROR_2		
		04 00072	RET		0440	

: Routine Size: 115 bytes, Routine Base: \$CODE\$ + 0091

NML\$ZERO
V04-000

NML_ZERO_counters module
NML_CALL_ZERO_NODE Zero node counters

16-⁴
14-Sep-1984 00:41:12
14-Sep-1984 12:50:23
VAX-11 Bliss-32 v4.0-742
DISKSVMMASTER:[NML.SRC]NMLZERO.B32;1 Page 17
(6)

NML
V04

```
447 1 %SBTTL 'NML_ZEROPLURAL Zero plural entity counters'  
448 1 ROUTINE NML_ZEROPLURAL (ENTITY, RTN, PRM1, PRM2) : NOVALUE =  
449 1 !++  
450 1 | FUNCTIONAL DESCRIPTION:  
451 1 |  
452 1 | This routine frames the response messages with 'more' and  
453 1 | 'done' messages and calls the specified routine.  
454 1 |  
455 1 | FORMAL PARAMETERS:  
456 1 |  
457 1 |  
458 0452 1 ENTITY Entity Table index for the entity (NML$C_...)  
459 0453 1 RTN Address of entity routine to be called.  
460 0454 1 PRM1 Routine parameter value.  
461 0455 1 PRM2 Routine parameter value.  
462 1 |  
463 0457 1 SIDE EFFECTS:  
464 1 |  
465 0459 1 A 'more' message is sent and then a 'done' message is signalled  
466 0460 1 following a return or signal from the specified routine.  
467 1 |  
468 0462 1 !--  
469 0463 1 |  
470 0464 2 BEGIN  
471 0465 2 |  
472 0466 2 LOCAL  
473 0467 2 MSG_SIZE;  
474 0468 2 |  
475 0470 2 | Send success with multiple responses message.  
476 0471 2 |  
477 0472 2 NML$BLD_REPLY (UPLIT(0, NMASC_STS_MOR), MSG_SIZE); ! Build message  
478 0473 2 NML$SEND (NML$AB_SNDBUFFER, .MSG_SIZE); ! Send it  
479 0474 2 |  
480 0475 2 | Enable condition handler to allow done message to be sent.  
481 0476 2 |  
482 0477 2 LIB$ESTABLISH (NML$MAINHANDLER);  
483 0478 2 |  
484 0479 2 | Call entity-specific routine.  
485 0480 2 |  
486 0481 2 (.RTN) (.ENTITY, .PRM1, .PRM2);  
487 0482 2 |  
488 0483 2 | Signal done message.  
489 0484 2 |  
490 0485 2 LIB$REVERT (); ! Disable condition handler  
491 0486 2 NML$ERROR_1 (NMASC_STS_DON); ! Signal no more responses  
492 0487 2 |  
493 0488 1 END; ! End of NML_ZEROPLURAL
```

.PSECT SPLIT\$,NOWRT,NOEXE,2

00000002 00000000 0004C P.AAS: .LONG 0, 2

:

.PSECT \$CODE\$,NOWRT,2

0000 00000 NML_ZEROPLURAL:			
			.WORD Save nothing
	SE	04 C2 00002	SUBL2 #4, SP
00000000G	00	5E DD 00005	PUSHL SP
		00 9F 00007	PUSHAB P.AAS
		02 FB 0000D	CALLS #2, NML\$BLD_REPLY
00000000G	00	6E DD 00014	PUSHL MSG_SIZE
		00 9F 00016	PUSHAB NML\$AB SNDBUFFER
00000000G	00	02 FB 0001C	CALLS #2, NM\$SEND
		00 9F 00023	PUSHAB NML\$MAINHANDLER
00000000G	00	01 FB 00029	CALLS #1, LIB\$ESTABLISH
	7E	0C AC 7D 00030	MOVQ PRM1, -(SP)
		04 AC DD 00034	PUSHL ENTITY
00000000G	00	03 FB 00037	CALLS #3, @RTN
	7E	00 FB 0003B	CALLS #0, LIB\$REVERT
00000000G	00	80 8F 98 00042	CVTBL #128, -(SP)
		01 FB 00046	CALLS #1, NML\$ERROR_1
		04 0004D	RET

: Routine Size: 78 bytes, Routine Base: \$CODE\$ + 0104

: 495 0489 1

```
: 497
: 498 0490 1 %SBTTL 'NML_ZERO_KNOWN  Zero known entity counters'
: 499 0491 1 ROUTINE NML_ZERO_KNOWN (ENTITY, DUM1, DUM2) : NOVALUE =
: 500 0492 1
: 501 0493 1 !++
: 502 0494 1 | FUNCTIONAL DESCRIPTION:
: 503 0495 1
: 504 0496 1 | This routine clears the counters in the volatile data base entries
: 505 0497 1 | for known entities of the type specified.
: 506 0498 1
: 507 0499 1 | FORMAL PARAMETERS:
: 508 0500 1
: 509 0501 1 | ENTITY Index into Entity Table for entity (NMLSC_...)
: 510 0502 1 | DUM1 Not used.
: 511 0503 1 | DUM2 Not used.
: 512 0504 1
: 513 0505 1 | SIDE EFFECTS:
: 514 0506 1 | Zero or more response messages will be sent.
: 515 0507 1
: 516 0508 1
: 517 0509 1 | --
: 518 0510 1 | BEGIN
: 519 0511 2 | LOCAL
: 520 0512 2 | LOCAL
: 521 0513 2 | LOCAL
: 522 0514 2 | BUFEND,
: 523 0515 2 | DUMDSC : REF DESCRIPTOR, ! Dummy table descriptor
: 524 0516 2 | ENTLEN, ! DNA line name length
: 525 0517 2 | LENGTH,
: 526 0518 2 | LISDSC : DESCRIPTOR, ! List buffer descriptor
: 527 0519 2 | ENTPTR, ! Pointer to entity id for response
: 528 0520 2 | MSGSIZE, ! Response message size
: 529 0521 2 | NFBDESC : REF DESCRIPTOR, ! Descriptor for NFB
: 530 0522 2 | P2DSC : DESCRIPTOR, ! P2 buffer descriptor
: 531 0523 2 | PTR,
: 532 0524 2 | STATUS,
: 533 0525 2 | STRTFLG;
: 534 0526 2 | Get a list of all entities in the volatile data base.
: 535 0527 2
: 536 0528 2 | STRTFLG = FALSE;
: 537 0529 2
: 538 0530 2 | WHILE NML$GET_ENTITY_IDS (.ENTITY, NMASC_ENT_KNO, 0, .STRTFLG, LISDSC) DO
: 539 0531 3 | BEGIN
: 540 0532 3 | STRTFLG = TRUE;
: 541 0533 3
: 542 0534 3 | Zero counters for every entity in the list.
: 543 0535 3
: 544 0536 3 | BUFEND = .LISDSC [DSC$A_POINTER] + .LISDSC [DSC$W_LENGTH];
: 545 0537 3 | PTR = .LISDSC [DSC$A_POINTER];
: 546 0538 3
: 547 0539 3 | WHILE .PTR LSSA .BUFEND DO
: 548 0540 3 | BEGIN
: 549 0541 4 | LENGTH = (.PTR)<0,16>;
: 550 0542 4 | PTR = .PTR + 2;
: 551 0543 4
: 552 0544 4 | Get NFB and P2 buffer.
: 553 0545 4
: 554 0546 4
```

```

: 554 0547 4      NML$GETINFTABS (.ENTITY, NML$C_ZERO, NFBDESC, DUMDSC, 0);
: 555 0548 4      NML$BLDP2 (.LENGTH, .PTR, -1, 0, NML$Q_P2BFDESC, P2DESC);
: 556 0549 4      Initialize message flags and status.
: 557 0550 4
: 558 0551 4
: 559 0552 4      NML$AB_MSGBLOCK [MSBSL_FLAGS] = 0;
: 560 0553 4      NML$AB_MSGBLOCK [MSBSB_CODE] = NMASC_STS_SUC;
: 561 0554 4
: 562 0555 4      Zero the counters for the specified entity.
: 563 0556 4
: 564 0557 4      NML$NETQIO (.NFBDESC, P2DESC, 0, 0);
: 565 0558 4
: 566 0559 4      Move the entity ID into the entity buffer.
: 567 0560 4
: 568 0561 4      ENT PTR = .NML$Q_ENTBFDESC [DSCSA_POINTER];
: 569 0562 4      CHSWCHAR A (.LENGTH, ENT PTR);
: 570 0563 4      CHSMOVE T.LENGTH, .PTR, .ENT PTR);
: 571 0564 4      NML$Q_ENTBFDESC [DSCSW_LENGTH] = .LENGTH + 1;
: 572 0565 4
: 573 0566 4      Add line id to response message.
: 574 0567 4
: 575 0568 4      NML$AB_MSGBLOCK [MSBSV_ENTD_FLD] = 1;
: 576 0569 4      NML$AB_MSGBLOCK [MSBSA_ENTITY] = NML$Q_ENTBFDESC;
: 577 0570 4
: 578 0571 4      Build and send the response message.
: 579 0572 4
: 580 0573 4      NML$BLD_REPLY (NML$AB_MSGBLOCK, MSGSIZE);
: 581 0574 4      NML$SEND (NML$AB_SNDBUFFER, .MSGSIZE);
: 582 0575 4
: 583 0576 4      PTR = .PTR + .LENGTH; ! Advance pointer
: 584 0577 3      END;
: 585 0578 2      END;
: 586 0579 2
: 587 0580 1      END: ! End of NML_ZERO_KNOWN

```

OFFC 00000 NML_ZERO_KNOWN:								
5B	00000000G	00	9E	00002	WORD	Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11	0491	
5E		1C	C2	00009	MOVAB	NML\$AB_MSGBLOCK, R11		
		59	D4	0000C	SUBL2	#28, SP		
		14	AE	9F 0000E	1\$:	CLRL	STRFLG	0529
			59	DD 00011	PUSHAB	LISDSC		
			7E	D4 00013	PUSHL	STRFLG	0531	
				01 CE 00015	CLRL	-(SP)		
		7E	04	AC DD 00018	MNEGL	#1 -(SP)		
00000000G	00		05	FB 0001B	PUSHL	ENTITY		
	01		50	E8 00022	CALLS	#5, NML\$GET_ENTITY_IDS		
			04	00025	BLBS	R0, 2\$		
			59	01 DD 00026	RET			
			14	AE 3C 00029	MOVL	#1, STRFLG	0533	
			5A	18 AE C0 0002D	MOVZWL	LISDSC, BUFEND	0537	
			5A	18 AE DD 00031	ADDL2	LISDSC+4, BUFEND		
			56	56 D1 00035	MOVL	LISDSC+4, PTR	0538	
				33: CMPL	PTR, BUFEND		0540	

			D4	1E	00038	BGEQU	1\$		0542
		57	86	3C	0003A	MOVZWL	(PTR)+, LENGTH		0547
			7E	D4	0003D	CLRL	-(SP)		
			04	AE	9F	PUSHAB	DUMDSC		
			0C	AE	9F	PUSHAB	NFBFDSC		
			05	DD	00042	PUSHL	#5		
			04	AC	DD	PUSHL	ENTITY		
00000000G	00		05	FB	0004A	CALLS	#5, NMLSGETINFTABS		
			0C	AE	9F	PUSHAB	P2DSC		0548
		00000000	00	9F	00051	PUSHAB	NMLSQ_P2BFDS		
			7E	D4	00054	CLRL	-(SP)		
			01	CE	0005C	MNEGL	#1, -(SP)		
			56	DD	0005F	PUSHL	PTR		
			57	DD	00061	PUSHL	LENGTH		
00000000G	00		06	FB	00063	CALLS	#6, NMLSBLDP2		
			6B	D4	0006A	CLRL	NMLSAB_MSGBLOCK		0552
	04	AB	01	90	0006C	MOVB	#1, NMLSAB_MSGBLOCK+4		0553
			7E	7C	00070	CLRD	-(SP)		0557
			14	AE	9F	PUSHAB	P2DSC		
			10	AE	DD	PUSHL	NFBFDSC		
00000000G	00		04	FB	00078	CALLS	#4, NMLSNETQIO		
			58	00000000	00	MOVL	NMLSQ_ENTBFDS+4, ENTPTR		0561
			88	57	90	MOVB	LENGTH, (ENTPTR)+		0562
			66	57	28	MOVC3	LENGTH, (PTR), (ENTPTR)		0563
			57	01	A1	ADDW3	#1, LENGTH, NMLSQ_ENTBFDS		0564
			6B	10	88	BISB2	#16, NMLSAB_MSGBLOCK		0568
	14	AB	00000000	00	9E	MOVAB	NMLSQ_ENTBFDS, NMLSAB_MSGBLOCK+20		0569
			08	AE	9F	PUSHAB	MSGSIZE		0573
				5B	DD	PUSHL	R11		
00000000G	00		02	FB	000A5	CALLS	#2, NMLSBLD_REPLY		
			08	AE	DD	PUSHL	MSGSIZE		0574
		00000000G	00	9F	000AF	PUSHAB	NMLSAB_SNDBUFFER		
00000000G	00		02	FB	000B5	CALLS	#2, NMESSEND		
			56	57	C0	ADDL2	LENGTH, PTR		0576
			FF73	31	000BF	BRW	3\$		0540
				04	000C2	RET			0580

; Routine Size: 195 bytes, Routine Base: SCODES + 0152

```

: 589 0581 1 %SBTTL 'NML_ZEROKNODES Zero known node counters'
: 590 0582 1 ROUTINE NML_ZEROKNODES (DUM0, DUM1, DUM2) : NOVALUE =
: 591 0583 1
: 592 0584 1 !++
: 593 0585 1 FUNCTIONAL DESCRIPTION:
: 594 0586 1
: 595 0587 1 This routine zeros counters for all nodes in the volatile data base.
: 596 0588 1
: 597 0589 1 FORMAL PARAMETERS:
: 598 0590 1
: 599 0591 1 DUM0 Not used.
: 600 0592 1 DUM1 Not used.
: 601 0593 1 DUM2 Not used.
: 602 0594 1
: 603 0595 1 SIDE EFFECTS:
: 604 0596 1
: 605 0597 1 Zero or more response messages will be sent as a result of
: 606 0598 1 the routines that are called.
: 607 0599 1
: 608 0600 1 !--
: 609 0601 1
: 610 0602 2 BEGIN
: 611 0603 2
: 612 0604 2 LOCAL
: 613 0605 2 EXEC_ADDR: WORD;
: 614 0606 2
: 615 0607 2 ! Return executor node.
: 616 0608 2
: 617 0609 2 EXEC_ADDR = 0;
: 618 0610 2 NML_ZERO_NODE (NMLSC_EXECUTOR,
: 619 0611 2 2, ! Id string length
: 620 0612 2 EXEC_ADDR); ! Executor node address
: 621 0613 2
: 622 0614 2 ! Return remote nodes.
: 623 0615 2
: 624 0616 2 NML_ZEROREMOTES ();
: 625 0617 2
: 626 0618 1 END; ! End of NML_ZEROKNODES

```

0000 00000 NML_ZEROKNODES:

5E	04 C2 00002	WORD	Save nothing	0582
	6E B4 00005	SUBL2	#4, SP	0609
	5E DD 00007	CLRW	EXEC_ADDR	0610
	02 DD 00009	PUSHL	SP	
	07 DD 0000B	PUSHL	#2	
00000000V 00	03 FB 0000D	PUSHL	#7	
00000000V 00	00 FB 00014	CALLS	#3, NML_ZERO_NODE	0616
	04 0001B	CALLS	#0, NML_ZEROREMOTES	0618
		RET		

: Routine Size: 28 bytes, Routine Base: \$CODE\$ + 0215

```
628 0619 1 %SBTTL 'NML_ZERO_ENTITY Zero entity counters'  
629 0620 1 ROUTINE NML_ZERO_ENTITY (ENTITY, LEN, ADR) : NOVALUE =  
630 0621 1 !++  
631 0622 1 ! FUNCTIONAL DESCRIPTION:  
632 0623 1 !  
633 0624 1 ! FORMAL PARAMETERS:  
634 0625 1 !  
635 0626 1 !  
636 0627 1 !  
637 0628 1 ! ENTITY Entity Table index (NML$C...)  
638 0629 1 ! LEN Length of entity id string.  
639 0630 1 ! ADR Address of entity id string.  
640 0631 1 !  
641 0632 1 ! SIDE EFFECTS:  
642 0633 1 !  
643 0634 1 ! A response message will be sent.  
644 0635 1 !  
645 0636 1 !--  
646 0637 1 !  
647 0638 2 BEGIN  
648 0639 2  
649 0640 2 LOCAL  
650 0641 2 DUMDSC : REF DESCRIPTOR, ! Dummy table descriptor  
651 0642 2 MSGSIZE, ! Length of response message  
652 0643 2 NEWLEN, ! Mapped (VMS) line name length  
653 0644 2 NFBDESC : REF DESCRIPTOR, ! NFB descriptor  
654 0645 2 P2DSC : DESCRIPTOR; ! Descriptor for P2 buffer  
655 0646 2 !  
656 0647 2 ! Get NFB and P2 buffer.  
657 0648 2 !  
658 0649 2 NML$GETINFTABS (.ENTITY, NML$C_ZERO, NFBDESC, DUMDSC, 0);  
659 0650 2 !  
660 0651 2 ! X25 and X29 Server databases have only one entry. So always do a  
661 0652 2 ! wildcard zero of these databases.  
662 0653 2 !  
663 0654 2 IF .ENTITY EQN NML$C_X25_SERV OR  
664 0655 2 .ENTITY EQN NML$C_X29_SERV THEN  
665 0656 2 LEN = -1;  
666 0657 2  
667 0658 2 NML$BLDP2 (.LEN, .ADR, -1, 0, NML$Q_P2BFDESC, P2DSC);  
668 0659 2 !  
669 0660 2 ! Initialize message flags and status.  
670 0661 2 !  
671 0662 2 NML$AB_MSGBLOCK [MSB$L_FLAGS] = 0;  
672 0663 2 NML$AB_MSGBLOCK [MSB$B_CODE] = NMASC_STS_SUC;  
673 0664 2 !  
674 0665 2 ! Zero the counters for the specified line.  
675 0666 2 !  
676 0667 2 NML$NETQIO (.NFBDESC, P2DSC, 0, 0);  
677 0668 2 !  
678 0669 2 ! Build and send the response message.  
679 0670 2 !  
680 0671 2 NML$BLD_REPLY (NML$AB_MSGBLOCK, MSGSIZE);  
681 0672 2 NML$SEND (NML$AB_SNDBUFFER, .MSGSIZE);  
682 0673 2 !  
683 0674 1 END; ! End of NML_ZERO_ENTITY
```

0004 00000 NML_ZERO_ENTITY:

52 0000000G	00 9E 0002	.WORD Save R2	: 0620
5E	14 C2 0009	MOVAB NML\$AB_MSGBLOCK, R2	
	7E D4 000C	SUBL2 #20, SP	
	04 AE 9F 000E	CLRL -(SP)	: 0649
	0C AE 9F 00011	PUSHAB DUMDSC	
	05 DD 00014	PUSHAB NFBDESC	
	04 AC DD 00016	PUSHL #5	
0000000G 00	05 FB 00019	PUSHL ENTITY	
11	04 AC D1 00020	CALLS #5, NML\$GETINFTABS	
	06 13 00024	CMPL ENTITY, #17	: 0654
15	04 AC D1 00026	BEQL 1\$	
	04 12 0002A	CMPL ENTITY, #21	: 0655
08 AC	01 CE 0002C	BNEQ 2\$	
	0C AE 9F 00030	MNEGL #1, LEN	: 0656
00000000.	00 9F 00033	PUSHAB P2DSC	: 0658
	7E D4 00039	PUSHAB NML\$Q_P2BFDS	
	01 CE 0003B	CLRL -(SP)	
0000000G 00	08 AC 7D 0003E	MNEGL #1, -(SP)	
	06 FB 00042	MOVO LEN, -(SP)	
	62 D4 00049	CALLS #6, NML\$BLDP2	
04 A2	01 90 0004B	CLRL NML\$AB_MSGBLOCK	: 0662
	7E 7C 0004F	MOVB #1, NML\$AB_MSGBLOCK+4	: 0663
	14 AE 9F 00051	CLRQ -(SP)	: 0667
0000000G 00	10 AE DD 00054	PUSHAB P2DSC	
	04 FB 00057	PUSHL NFBDESC	
	08 AE 9F 0005E	CALLS #4, NML\$NETOIO	
0000000G 00	52 DD 00061	PUSHAB MSGSIZE	: 0671
	02 FB 00063	PUSHL R2	
	08 AE DD 0006A	CALLS #2, NML\$BLD_REPLY	
0000000G 00 0000000G	00 9F 0006D	PUSHAB MSGSIZE	: 0672
	02 FB 00073	PUSHAB NML\$AB_SNDBUFFER	
	04 0007A	CALLS #2, NML\$SEND	
		RET	: 0674

: Routine Size: 123 bytes, Routine Base: \$CODE\$ + 0231

```
; 685 0675 1 XSBTTL 'NML_ZERO_NODE Zero node counters'
; 686 0676 1 ROUTINE NML_ZERO_NODE (ENTITY, LEN, ADR) : NOVALUE =
; 687 0677 1 !++
; 688 0678 1 !+++
; 689 0679 1 FUNCTIONAL DESCRIPTION:
; 690 0680 1
; 691 0681 1
; 692 0682 1 FORMAL PARAMETERS:
; 693 0683 1
; 694 0684 1 ENTITY Entity Table index (NML$C...)
; 695 0685 1 LEN Length of entity id string.
; 696 0686 1 ADR Address of entity id string.
; 697 0687 1
; 698 0688 1 SIDE EFFECTS:
; 699 0689 1
; 700 0690 1 A response message will be sent.
; 701 0691 1
; 702 0692 1 !--
; 703 0693 1
; 704 0694 2 BEGIN
; 705 0695 2
; 706 0696 2 LOCAL
; 707 0697 2 MSGSIZE, ! Response message size
; 708 0698 2 NFBDESC : REF DESCRIPTOR, ! NFB descriptor
; 709 0699 2 P2DSC : DESCRIPTOR, ! P2 parameter descriptor
; 710 0700 2 DUMDSC : REF DESCRIPTOR; ! Dummy table descriptor
; 711 0701 2
; 712 0702 2
; 713 0703 2 ! Get the NFB and P2 buffer.
; 714 0704 2
; 715 0705 2 NML$GETINFTABS (.ENTITY, NML$C_ZERO, NFBDESC, DUMDSC, 0);
; 716 0706 2 IF .ENTITY NEQ NML$C_NODEBYNAME THEN
; 717 0707 2
; 718 0708 2 ! Zero executor node or node specified by address in the NICE command.
; 719 0709 2
; 720 0710 2 NML$BLDP2 (0, .(.ADR)<0,16>, -1, 0, NML$Q_P2BFDESC, P2DSC)
; 721 0711 2 ELSE
; 722 0712 2
; 723 0713 2 ! Zero node specified by name in the NICE command.
; 724 0714 2
; 725 0715 2 NML$BLDP2 (.LEN, .ADR, -1, 0, NML$Q_P2BFDESC, P2DSC);
; 726 0716 2
; 727 0717 2
; 728 0718 2 ! Initialize message flags and status.
; 729 0719 2
; 730 0720 2 NML$AB_MSGBLOCK [MSBSL_FLAGS] = 0;
; 731 0721 2 NML$AB_MSGBLOCK [MSBSB_CODE] = NMASC_STS_SUC;
; 732 0722 2
; 733 0723 2 ! Zero the counters for the specified node.
; 734 0724 2
; 735 0725 2 NML$NETQIO (.NFBDESC, P2DSC, 0, 0);
; 736 0726 2
; 737 0727 2 ! If zeroing the executor node's counters, then the excutor's entity ID
; 738 0728 2 ! must be returned in the NICE response message. Add it to the message.
; 739 0729 2 !
; 740 0730 2 IF .ENTITY EQN NML$C_EXECUTOR THEN
; 741 0731 3 BEGIN
```

```

: 742 0732 3
: 743 0733 3 | Add the executor id to the entity buffer.
: 744 0734 3
: 745 0735 3 NML$GETEXEID (NML$Q_ENTBFDSC, NML$Q_ENTBFDSC [DSC$W_LENGTH]);
: 746 0736 3
: 747 0737 3 | Add the entity id to the message.
: 748 0738 3
: 749 0739 3 NML$AB_MSGBLOCK [MSBSV_ENTD_FLD] = 1;
: 750 0740 3 NML$AB_MSGBLOCK [MSBSA_ENTITY] = NML$Q_ENTBFDSC;
: 751 0741 2 END;
: 752 0742 2
: 753 0743 2 | Build and send the response message.
: 754 0744 2
: 755 0745 2 NML$BLD_REPLY (NML$AB_MSGBLOCK, MSGSIZE);
: 756 0746 2 NML$SEND (NML$AB_SNDBUFFER, .MSGSIZE);
: 757 0747 2
: 758 0748 1 END; ! End of NML_ZERO_NODE

```

001C 00000 NML_ZERO_NODE:					
					.WORD Save R2,R3,R4
54 00000000'	00	9E 00002	MOVAB	NML\$Q_P2BFDS, R4	0676
53 00000000'	00	9E 00009	MOVAB	NML\$Q_ENTBFDSC, R3	
52 00000000G	00	9E 00010	MOVAB	NML\$AB_MSGBLOCK, R2	
5E	14	C2 00017	SUBL2	#20, SP	
	7E	D4 0001A	CLRL	-(SP)	0705
	04	AE 9F 0001C	PUSHAB	DUMDSC	
	0C	AE 9F 00C1F	PUSHAB	NFBDS	
	05	DD 00022	PUSHL	#5	
	04	AC DD 00024	PUSHL	ENTITY	
00000000G	00	05 FB 00027	CALLS	#5, NML\$GETINFTABS	
	04	04 AC D1 0002E	CMPL	ENTITY, #4	0706
		12 13 00032	BEQL	1\$	
	0C	AE 9F 00034	PUSHAB	P2DSC	
	54	DD 00037	PUSHL	R4	0710
	7E	D4 00039	CLRL	-(SP)	
	01	CE 0003B	MNEG	#1, -(SP)	
	0C	BC 3C 0003E	MOVZWL	2ADR, -(SP)	
	7E	D4 00042	CLRL	-(SP)	
	0E	11 00044	BRB	2\$	
	0C	AE 9F 00046	PUSHAB	P2DSC	0715
	54	DD 00049	PUSHL	R4	
	7E	D4 0004B	CLRL	-(SP)	
	01	CE 0004D	MNEG	#1, -(SP)	
00000000G	00	08 AC 7D 00050	MOVQ	LEN, -(SP)	
	06	FB 00054	CALLS	#6, NML\$BLDP2	
	62	D4 0005B	CLRL	NML\$AB_MSGBLOCK	0720
	04 A2	01 90 0005D	MOVB	#1, NM\$AB_MSGBLOCK+4	0721
		7E 7C 00061	CLRQ	-(SP)	0725
	14	AE 9F 00063	PUSHAB	P2DSC	
	10	AE DD 00066	PUSHL	NFBDS	
00000000G	00	04 FB 00069	CALLS	#4, NML\$NETQIO	
07	04	AC D1 00070	CMPL	ENTITY, #7	0730
	12	12 00074	BNEQ	3\$	

		53	DD	00076	PUSHL	R3	: 0735
		53	DD	00078	PUSHL	R3	: 0736
00000000G	00	02	FB	0007A	CALLS	#2, NML\$GETEXEID	: 0737
	62	10	88	00081	BISB2	#16, NML\$AB_MSGBLOCK	: 0738
14	A2	63	9E	00084	MOVAB	NML\$0_ENTBFDS, NML\$AB_MSGBLOCK+20	: 0739
	08	AE	9F	00088	PUSHAB	MSGSIZE	: 0740
00000000G	00	52	DD	0008B	PUSHL	R2	: 0741
	08	02	FB	0008D	CALLS	#2, NML\$BLD_REPLY	: 0742
00000000G	00	AE	DD	00094	PUSHL	MSGSIZE	: 0743
00000000G	00	00	9F	00097	PUSHAB	NML\$AB_SNDBUFFER	: 0744
		02	FB	0009D	CALLS	#2, NM\$SEND	: 0745
		04	000A4		RET		: 0746
							: 0747
							: 0748

: Routine Size: 165 bytes. Routine Base: \$CODE\$ + 02AC

```
: 760 0749 1 %SBTTL 'NML_ZEROREMOTES Zero known node counters'
: 761 0750 1 ROUTINE NML_ZEROREMOTES: NOVALUE =
: 762 0751 1
: 763 0752 1 !++
: 764 0753 1 ! FUNCTIONAL DESCRIPTION:
: 765 0754 1
: 766 0755 1 ! This routine zeros the counters for all remote nodes.
: 767 0756 1
: 768 0757 1 ! SIDE EFFECTS:
: 769 0758 1
: 770 0759 1 ! Zero or more response messages will be sent.
: 771 0760 1
: 772 0761 1 !--
: 773 0762 1
: 774 0763 2 BEGIN
: 775 0764 2
: 776 0765 2 LOCAL
: 777 0766 2 BUFEND,
: 778 0767 2 DUMDSC : REF DESCRIPTOR, ! Dummy table descriptor
: 779 0768 2 ENTPTR, ! Pointer to node id in response
: 780 0769 2 LENGTH,
: 781 0770 2 LISDSC : DESCRIPTOR,
: 782 0771 2 MSGSIZE,
: 783 0772 2 NFBDESC : REF DESCRIPTOR, ! NFB descriptor
: 784 0773 2 P2DSC : DESCRIPTOR, ! Descriptor for P2 buffer
: 785 0774 2 PTR
: 786 0775 2 STATUS,
: 787 0776 2 STRTFLG;
: 788 0777 2
: 789 0778 2 ! Get the list of known remote nodes.
: 790 0779 2
: 791 0780 2 STRTFLG = FALSE;
: 792 0781 2
: 793 0782 2 WHILE NML$GET_ENTITY_IDS (NML$C_NODE, NMASC_ENT_KNO, 0, .STRTFLG, LISDSC) DO
: 794 0783 3 BEGIN
: 795 0784 3
: 796 0785 3 STRTFLG = TRUE;
: 797 0786 3
: 798 0787 3 ! Zero counters for all nodes in the list.
: 799 0788 3
: 800 0789 3 PTR = .LISDSC [DSC$A_POINTER];
: 801 0790 3 BUFEND = .LISDSC [DSC$A_POINTER] + .LISDSC [DSC$W_LENGTH];
: 802 0791 3 LENGTH = 2;
: 803 0792 3 NML$GETINF$ABS (NML$C_NODE, NML$C_ZERO, NFBDESC, DUMDSC, 0);
: 804 0793 3
: 805 0794 3 WHILE .PTR LSSA .BUFEND DO
: 806 0795 4 BEGIN
: 807 0796 4 PTR = .PTR +4; ! Skip loopnode flag.
: 808 0797 4 NML$BLDP2 (0, .(PTR)<0,16>, -1, 0, NM$Q_P2BFDESC, P2DSC);
: 809 0798 4
: 810 0799 4 NML$AB_MSGBLOCK [MSBSL_FLAGS] = 0;
: 811 0800 4 NML$AB_MSGBLOCK [MSBSB_CODE] = NMASC_STS_SUC;
: 812 0801 4
: 813 0802 4 NML$NETQIO (.NFBDESC, P2DSC, 0, 0);
: 814 0803 4
: 815 0804 4 ! Move node address and name into entity id buffer and
: 816 0805 4 advance pointer.
```

```

817      0806 4
818      0807 4      ! ENTPTR = CHSMOVE (.PTR,
819      0808 4          .NML$Q_ENTBFDSC [DSCSA_POINTER]);
820      0809 4
821      0810 4      PTR = .PTR + 4;
822      0811 4      LENGTH = .(PTR)<0,16>;
823      0812 4      CH$WCHAR A (LENGTH, ENTPTR);
824      0813 4      PTR = .PTR + 2;
825      0814 4      ENTPTR = CHSMOVE (LENGTH, .PTR, .ENTPTR);
826      0815 4      PTR = .PTR + LENGTH;
827      0816 4
828      0817 4      ! Add node id to message.
829      0818 4
830      0819 4      NML$Q_ENTBFDSC [DSCSW_LENGTH] =
831      0820 4          .ENTPTR - .NML$Q_ENTBFDSC [DSCSA_POINTER];
832      0821 4          NML$AB_MSGBLOCK [MSBSV_ENTD_FLD] = 1;
833      0822 4
834      0823 4      ! Build and send the response message.
835      0824 4
836      0825 4      NML$BLD_REPLY (NML$AB_MSGBLOCK, MSGSIZE);
837      0826 4      NML$SEND (NML$AB_SNDBUFFER, .MSGSIZE);
838      0827 4      END
839      0828 2      END;
840      0829 2
841      0830 1      END;          ! End of NML_ZEROREMOTES

```

OFFC 00000 NML ZEROREMOTES:

0FFC 00000 NML_ZEROREMOTES:									
5B	00000000G	00	9E	00002	.WORD	MOVAB	Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11		0750
5E		1C	C2	00009		SUBL2	NML\$AB MSGBLOCK, R11		
			59	D4	0000C	CLRL	#28, SP		0780
		14	AE	9F	0000E	'\$:	PUSHAB	STRFLG	0782
			59	DD	00011	PUSHL	ISTRFLG		
			7E	D4	00013	CLRL	-(SP)		
		7E	01	CE	00015	MNEGL	#1, -(SP)		
			03	DD	00018	PUSHL	#3		
00000000G	00	05	FB	0001A		CALLS	#5, NML\$GET_ENTITY_IDS		
01		50	E8	00021		BLBS	R0, 2\$		
			04	00024		RET			
59		01	DO	00025	2\$:	MOVL	#1, STRTFLG		0785
56		18	AE	DO	00028	MOVL	LI\$DSC+4, PTR		0789
5A		14	AE	3C	0002C	MOVZWL	LI\$DSC, BUFEND		0790
5A		18	AE	C0	00030	ADDL2	LI\$DSC+4, BUFEND		0791
58		02	DO	00034		MOVL	#2, LENGTH		0792
			7E	D4	00037	CLRL	-(SP)		
		04	AE	9F	00039	PUSHAB	DUMDSC		
		0C	AE	9F	0003C	PUSHAB	NFBDS		
			05	DD	0003F	PUSHL	#5		
			03	DD	00041	PUSHL	#3		
00000000G	00	05	FB	00043		CALLS	#5, NML\$GETINFTABS		
5A		56	D1	0004A	3\$:	CMPL	PTR, BUFEND		0794
			BF	1E	0004D	BGEQU	1\$		
		56	04	C0	0004F	ADDL2	#4, PTR		0796

		0C	AE	9F	00052	PUSHAB	P2DSC		0797
		00000000	00	9F	00055	PUSHAB	NML\$Q_P2BFDSC		
			7E	D4	00058	CLRL	-(SP)		
			7E	01	CE	MNEG	#1, -(SP)		
			7E	66	3C	MOVZWL	(PfR), -(SP)		
		00000000G	00	7E	D4	CLRL	-(SP)		
			04	06	FB	CALLS	#6, NML\$BLDP2		
			AB	68	D4	CLRL	NML\$AB_MSGBLOCK		0799
				01	90	MOVVB	#1, NM\$AB_MSGBLOCK+4		0800
				7E	7C	CLRQ	-(SP)		0802
				14	AE	PUSHAB	P2DSC		
				10	AE	PUSHL	NFBFDSC		
		00000000G	00	04	FB	CALLS	#4, NML\$NETQIO		
			57	00000000	00	MOVL	NML\$Q_ENTBFDSC+4, R7		0809
			67		86	MOVW	(PTR)+, (R7)		
			53	02	A7	MOVAB	2(R7), ENTPTR		
			56		02	ADDL2	#2, PTR		0810
			58		86	MOVZWL	(PTR)+, LENGTH		0811
			83		58	MOVVB	LENGTH, (ENTPTR)+		0812
			66		58	MOVVC3	LENGTH, (PTR), (ENTPTR)		0814
			56		58	ADDL2	LENGTH, PTR		0815
		00000000	00	53	57	SUBW3	R7, ENTPTR, NML\$Q_ENTBFDSC		0820
			68		10	BISB2	#16, NML\$AB_MSGBLOCK		0821
				08	AE	PUSHAB	MSGSIZE		0825
		00000000G	00		5B	PUSHL	R11		
				02	FB	CALLS	#2, NML\$BLD_REPLY		
		00000000G	00		AE	PUSHL	MSGSIZE		0826
				08	DD	CALLS	NML\$AB_SNDBUFFER		
		00000000G	00	00	9F	PUSHAB	#2, NM\$SEND		
				02	FB	BRB	3S		0794
				82	11	RET			0830

: Routine Size: 201 bytes, Routine Base: \$CODE\$ + 0351

NMLSZERO
V04-000

NML_ZERO counters module
NML_ZEROREMOTES Zero known node counters
0831 1 END
0832 1
0833 0 ELUDOM

N 5
16-Sep-1984 00:41:12
14-Sep-1984 12:50:23

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[NML.SRC]NMLZERO.B32;1

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: 843 : ! End of module
: 844 :
: 845 :

PSECT SUMMARY

Name	Bytes	Attributes
\$OWNS	784	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$SPLITS	84	NOVEC, NOWRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODES	1050	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	-----	Symbols	-----	Pages	Processing
	Total	Loaded	Percent	Mapped	Time
-\$255\$DUA28:[NML.OBJ]NMLLIB.L32;1	341	33	9	27	00:00.1
-\$255\$DUA28:[SHRLIB]NMALIBRY.L32;1	887	8	0	47	00:00.2
-\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	2	0	581	00:02.2

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:NMLZERO/OBJ=OBJ\$:NMLZERO MSRC\$:NMLZERO/UPDATE=(ENH\$:NMLZERO)

: Size: 1050 code + 868 data bytes
: Run Time: 00:23.1
: Elapsed Time: 00:42.8
: Lines/CPU Min: 2162
: Lexemes/CPU-Min: 15715
: Memory Used: 147 pages
: Compilation Complete

0288 AH-BT13A-SE
VAX/VMS V4.0

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